PASSPORT AUTOMATION SYSTEM

1. Introduction

1.1 Purpose:

This document outlines The requirements for the PAS, detailing objectives, functionalities, and performance expectations for all stakeholders

1.2 Scope:

It covers features like application submission, doc verification, appointment scheduling, and reporting aimed at enhancing operational efficiency and user experience.

1.3 Overview

The PAS streamlines passport application and issuance processes, providing an intuitive interface for applicant to submit applications, track statuses and receive notifications.

2. General Description

This web application enables users to apply for passport online, submit documents for verifying, making payments., Tracking status for application

3. Functional Requirements

- Allow online application creation and submission
- Enable document verification against official database
- Allow appointment scheduling for interviews

- Process payments securely and provide confirmation.
- Enable real time application status tracking.

4. Interface Requirements
- User Interface - web based and user friendly across devices
- Database Integration - Secure relational database for application storage
- API - provide API for integration with identity verification services

5. Performance Requirements
- Response time - respond to requests within 3 secs during peak usage.
- Concurrent users - support up to 500 users simultaneously
- Data storage - manage up to 200000 application records efficiently.

6. Design Constraints
- Comply with data protection and privacy regulations
- Ensure compatibility with existing government verification systems.
- Developed using specified technologies.

7. Non functional attributes
- Security - implement robust security measures and data encryption
- Reliability - Ensure 99.9% uptime with backup options
- Scalability - Accommodation future growth in users & functionality
- Usability - intuitive interface requiring minimal training

8. Preliminary duration – Estimated 6 months duration

Budget Estimation: ₹ 15,00,000

Requirement phase – 2,00,000
Design and implementation – 5,00,000
Verification & validation – 6,00,000
Evolution & testing – 2,00,000